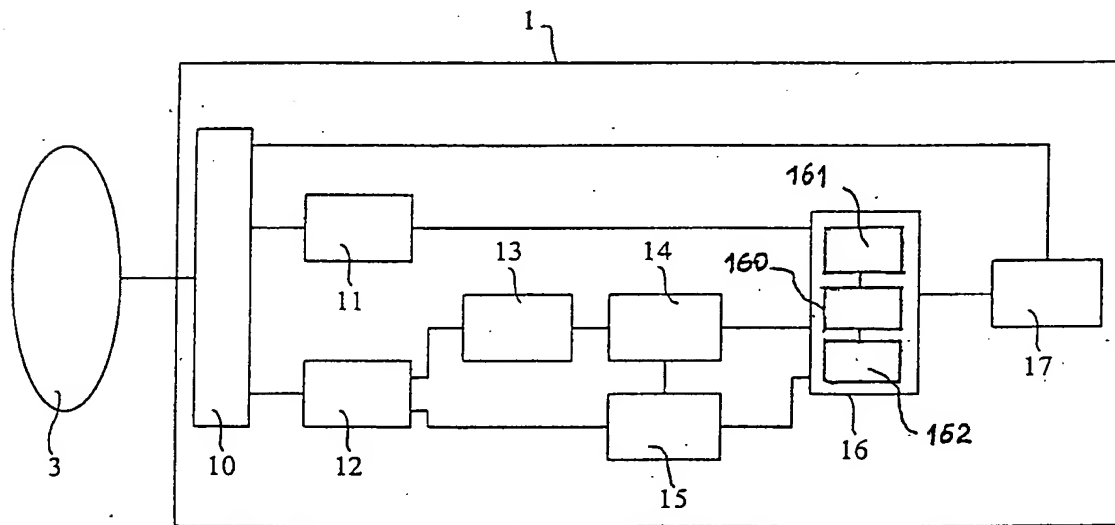
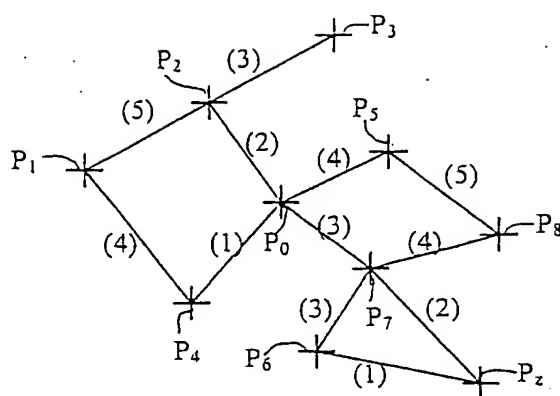
**Figure 1****Figure 2**

Figure 3Parents Table

nodes	parent nodes	cost	flag
P ₀	X	0	1
P ₁	P ₄	5	1
P ₂	P ₀	2	1
P ₃	P ₂	5	1
P ₄	P ₀	1	1
P ₅	P ₀	4	1
P ₆	P ₇	6	1
P ₇	P ₀	3	1
P ₈	P ₇	7	1
P _z	P ₇	5	1

Figure 4Buckets Table

cost	node
0	P ₀
1	P ₄
2	P ₂
3	P ₇
4	P ₅
5	P ₁
5	P ₃
5	P _z
6	P ₆
7	P ₈

Figure 5